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## Patent Abstracts of Japan

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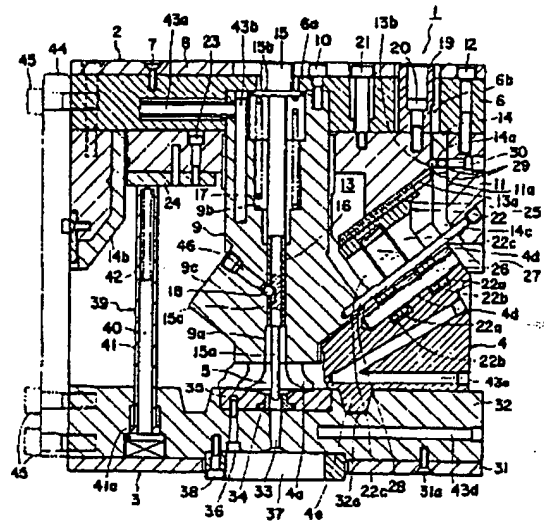
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TITLE : MOLD FOR FORMING IMPELLER  
BLADE TYPE ROTARY BODY



ABSTRACT : PURPOSE: To simply and surely execute molding and mold-releasing for an impeller blade type rotary body by shifting a parting mold forming the impeller blade having twist toward out of the mold direction while rotating through a guide part bending corresponding to the twist of the impeller blade.

CONSTITUTION: A cavity 5 is shaped by a lower end face of core 9 in a movable die 2, an upper face of core block 35 in a fixed die 3 and the parting die 4 forming the plural impeller blades having twist arranged as radial. In the foaming die 1 for impeller blade type rotary body having the above constitution, the molten material, such as resin, metal, etc., is poured under pressurizing in the above cavity 5 through a sprue 33 of holder 32 and cooled to solidify. After that, the movable die 2 is ascended and the formed material ascended together with this is released from the core 9 by descending an eject pin 15. Together with this, an ejector 13 is descended through a frame block 11 and further, a supporting body 22 fixed to the parting die 4 is pushed. The supporting body 22 has twist guide hole 27 engaging with a guide pin 28 and by sliding on the sliding face 9c of core 9, the parting die 4 is shifted toward outer direction while rotating, to execute the mold-releasing.

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